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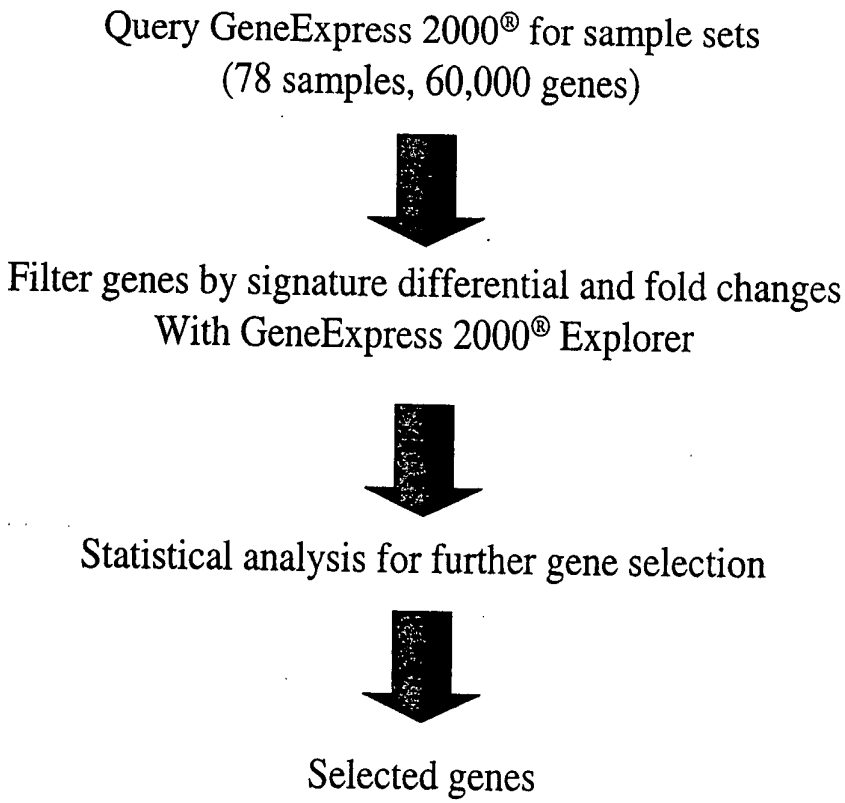
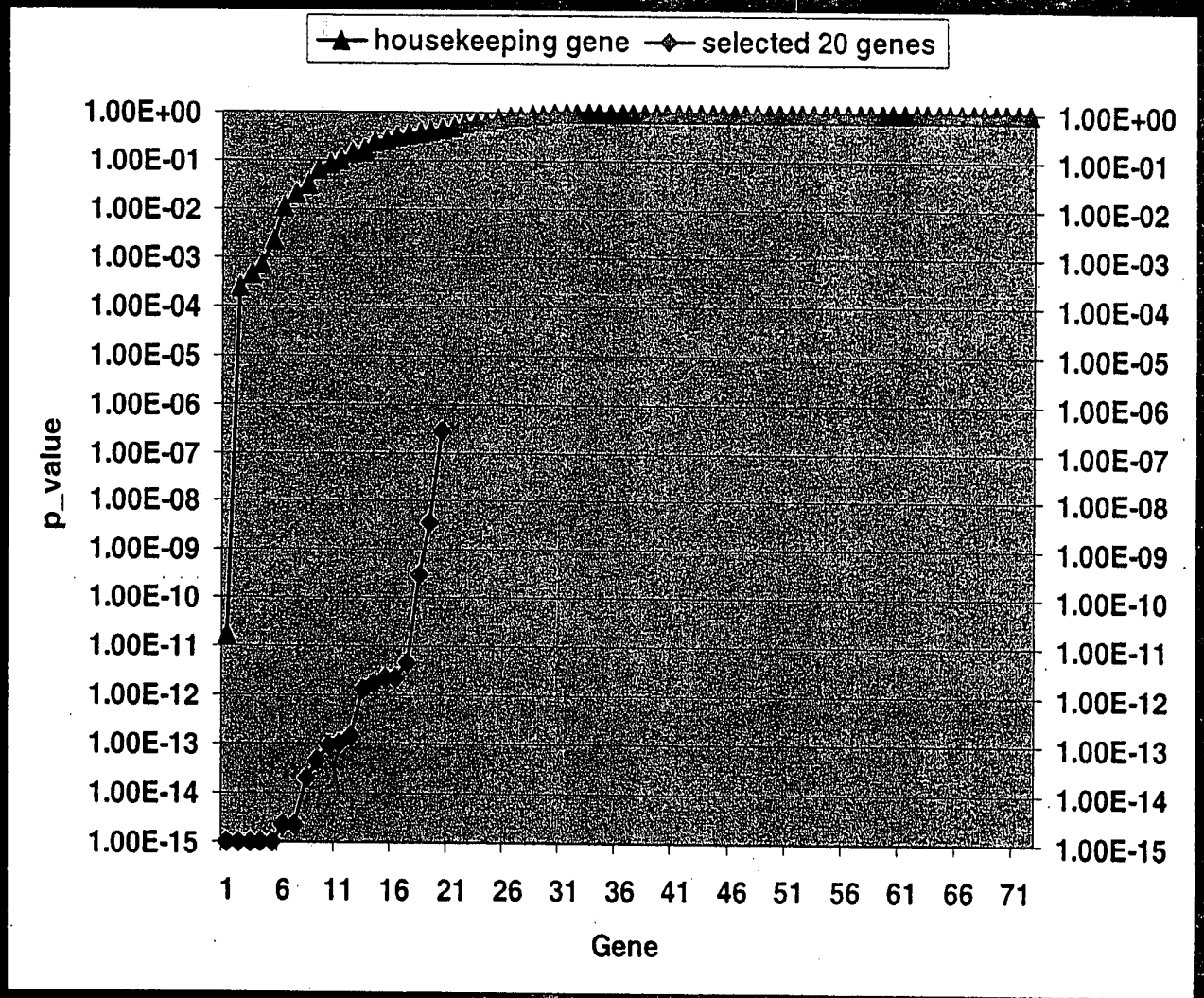

Query GeneExpress 2000® for sample sets
(78 samples, 60,000 genes)
Filter genes by signature differential and fold changes
With GeneExpress 2000® Explorer
Statistical analysis for further gene selection
Selected genes

FIGURE 1

Comparison of p_values for the differential expression of genes in 20-gene and housekeeping genes in the lung cancer study



hypoxanthine phosphoribosyltransferase 1 (HPRT1)

FIGURE 2

PCA separation of normal and lung cancer with expression profile of 20 genes

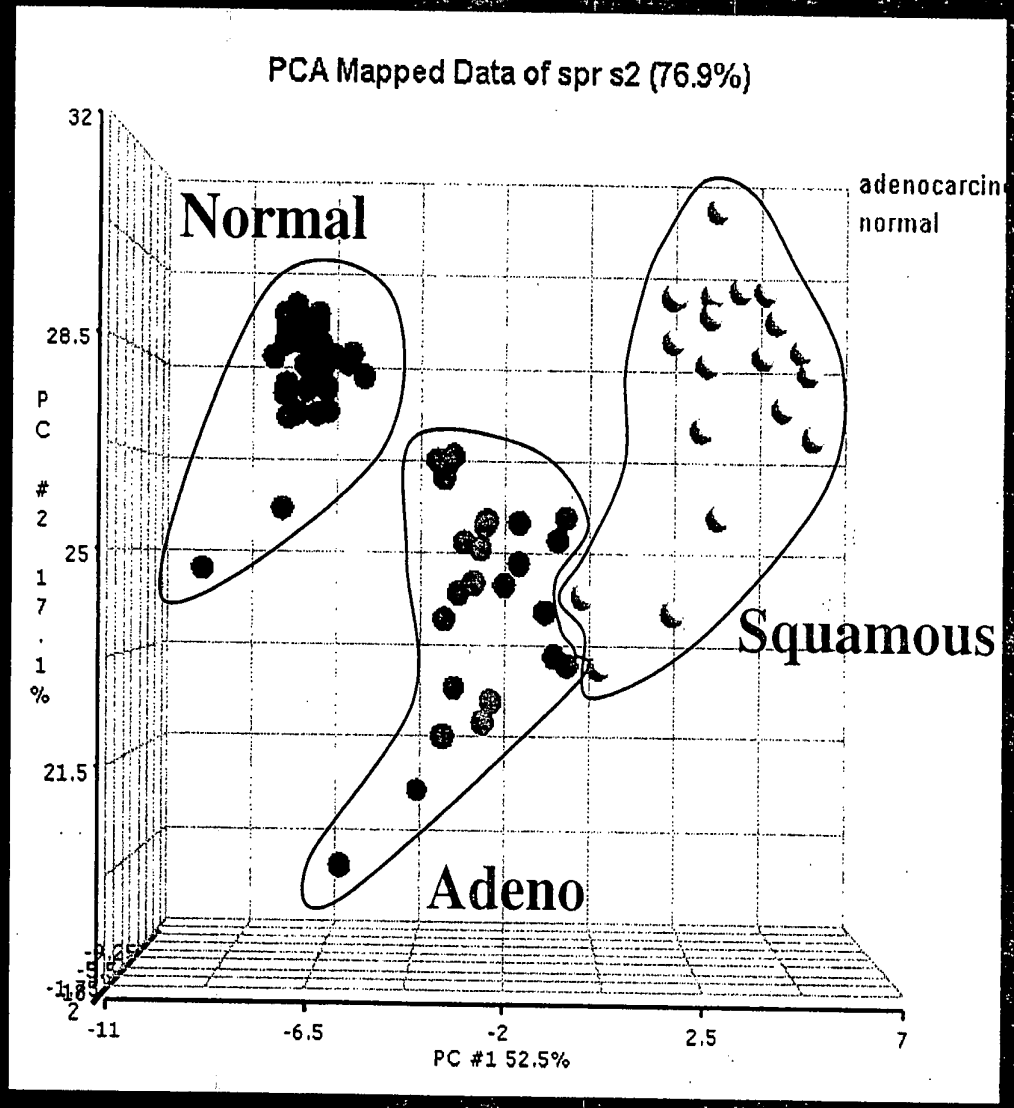


FIGURE 3

PCA Separation of normal and lung cancer with expression profile of 72 housekeeping genes

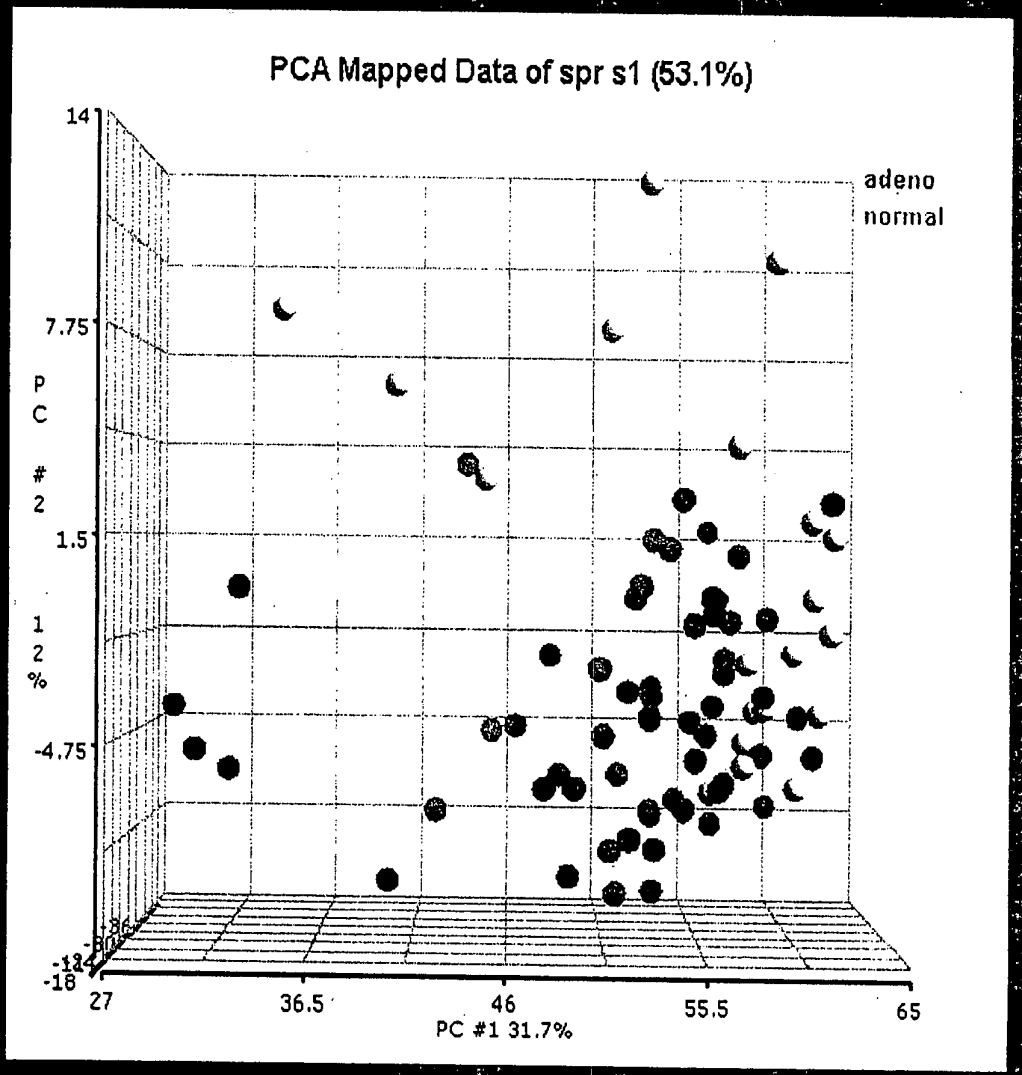


FIGURE 4

Potential confounding factor of patient's smoking status with selected 20 genes expression profile

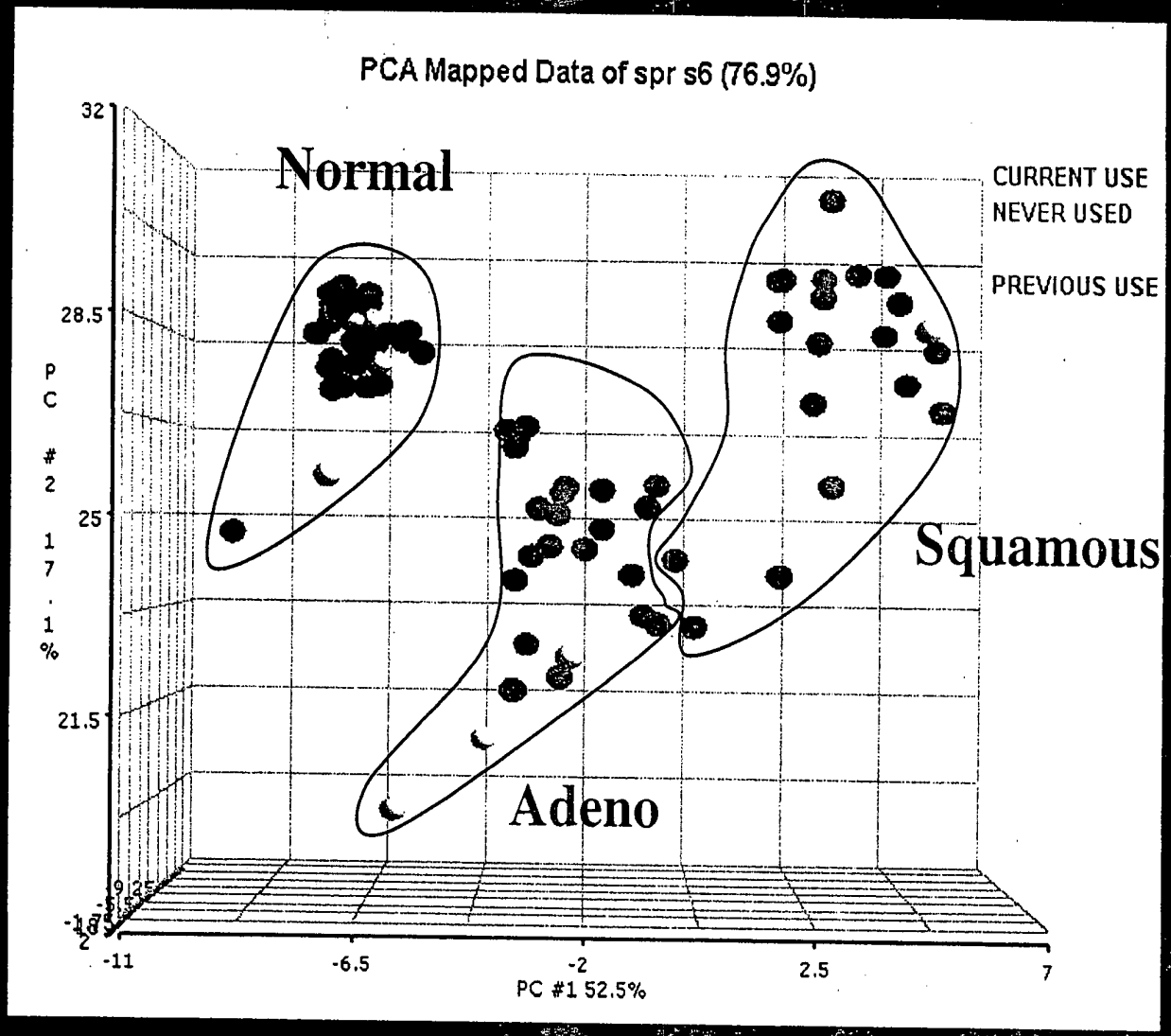


FIGURE 5

Potential confounding factor of patient gender with selected 20 genes expression profile

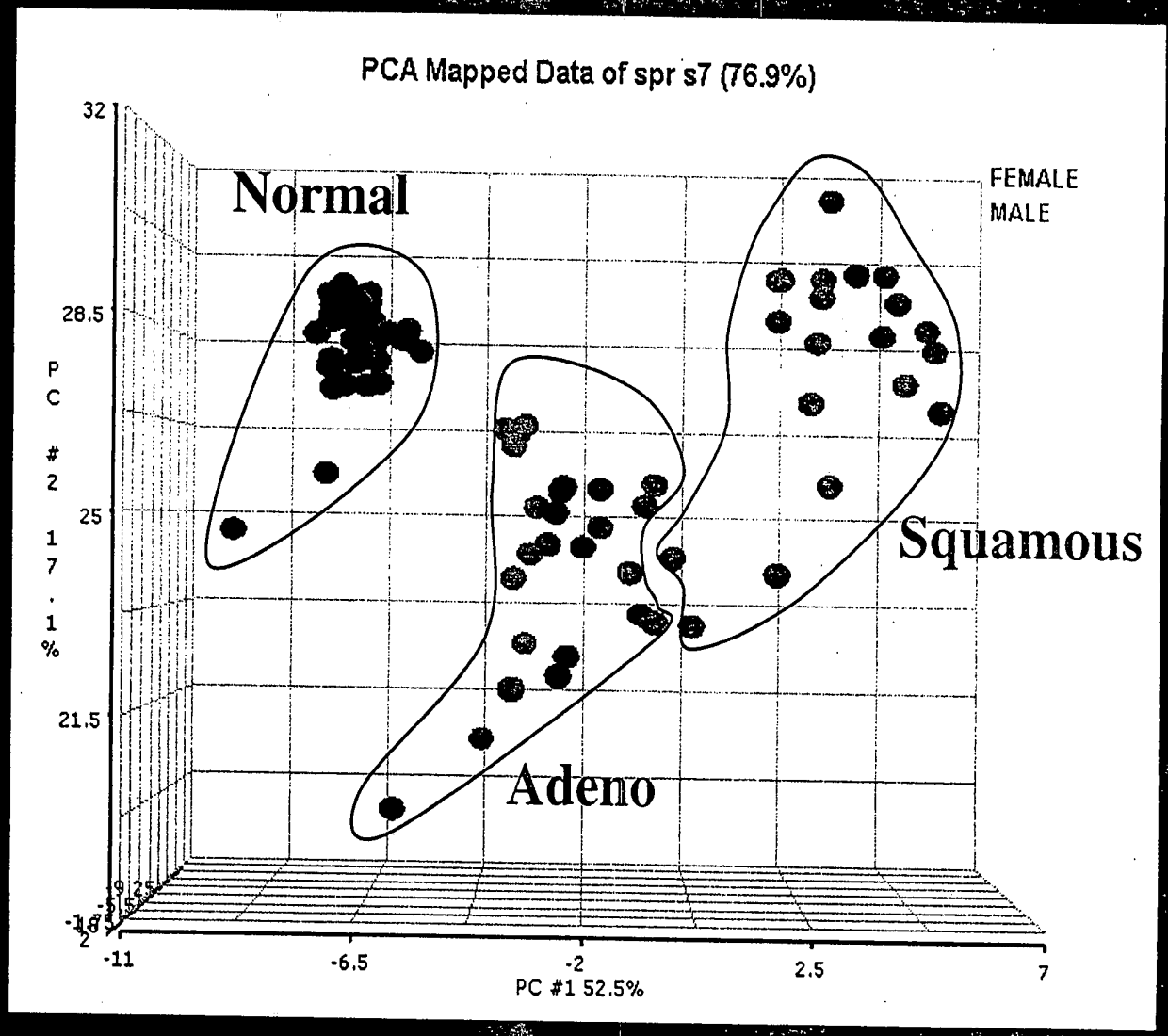


FIGURE 6

Potential confounding factor of patient race with selected 20 genes expression profile

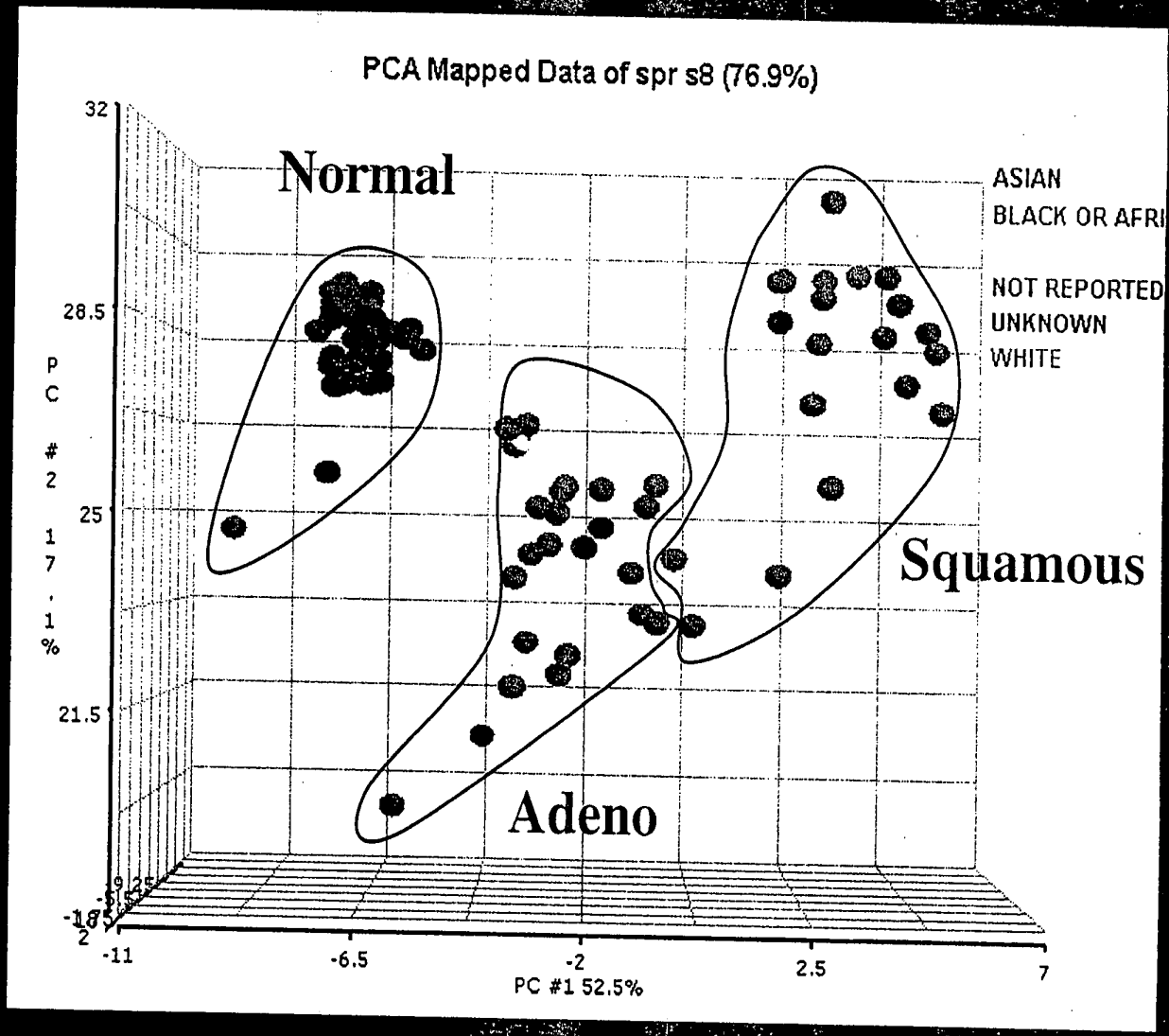


FIGURE 7

Potential confounding factor of patient medication with selected 20 genes expression profile

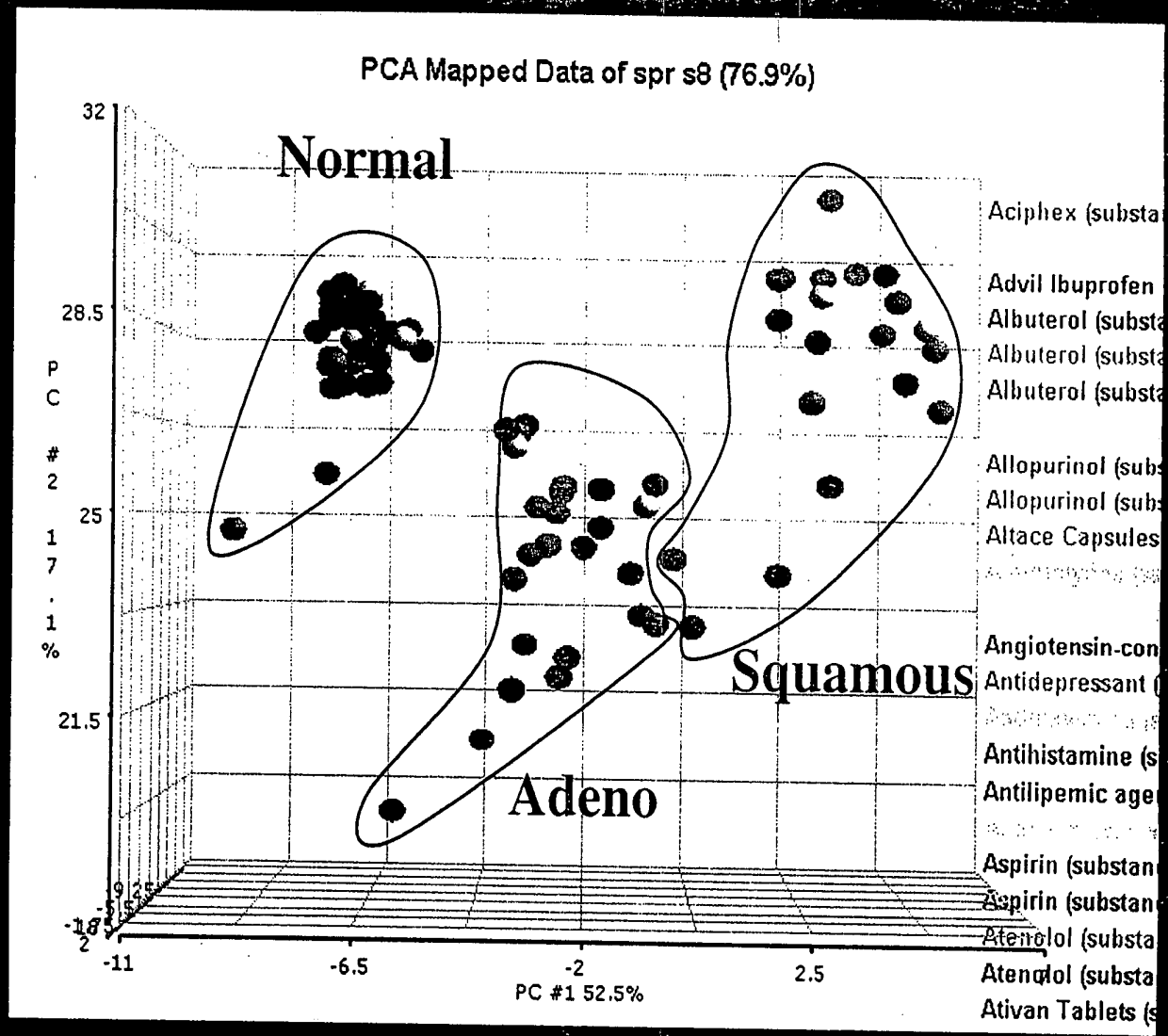


FIGURE 8

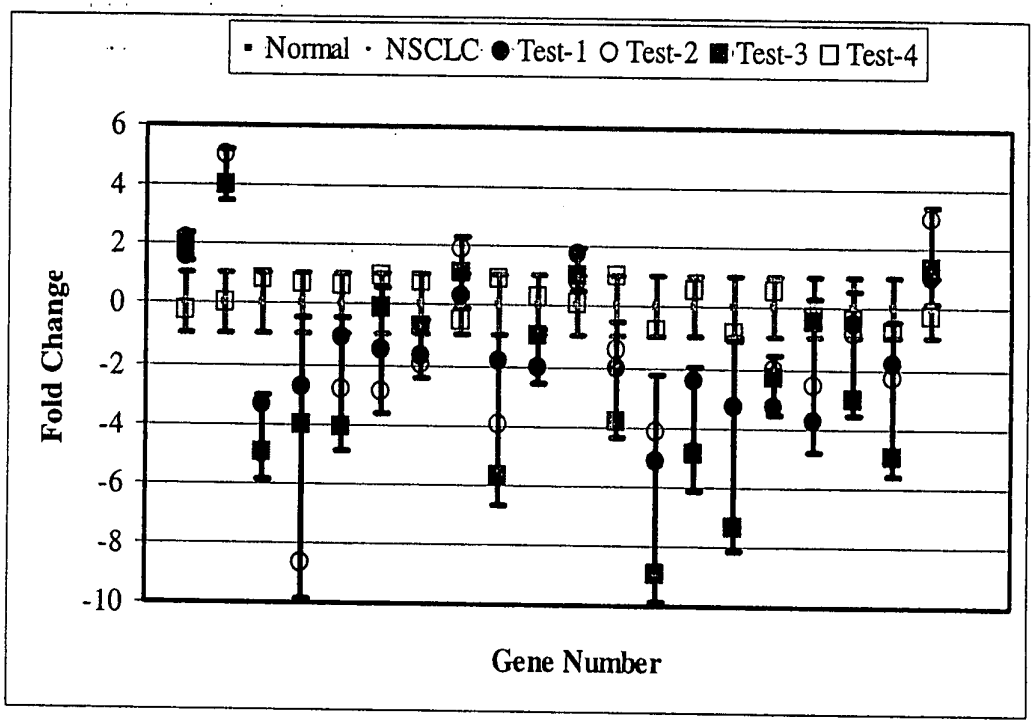

Normal
NSCLC
Test-1
Test-2
Test-3
Test-4
6
4
2
0
-2
-4
-6
-8
-10
Fold Change
Gene Number

FIGURE 9